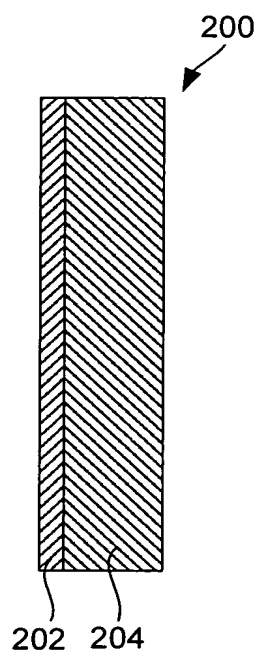
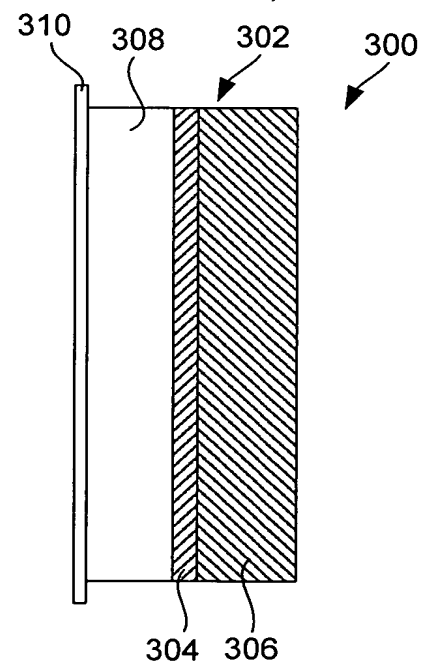


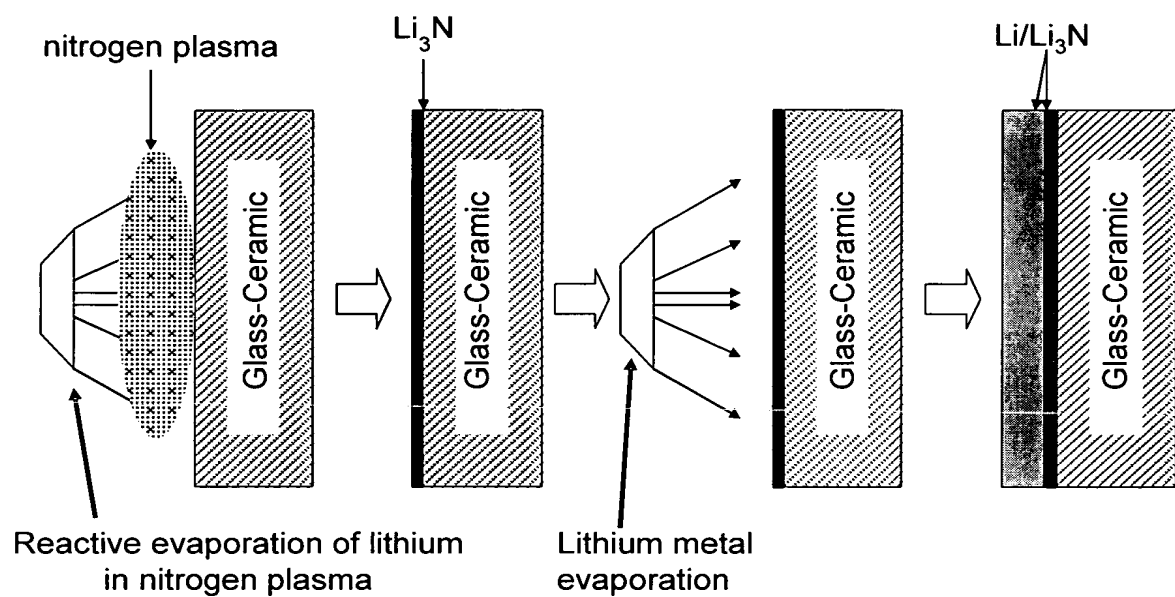
**FIG. 1**



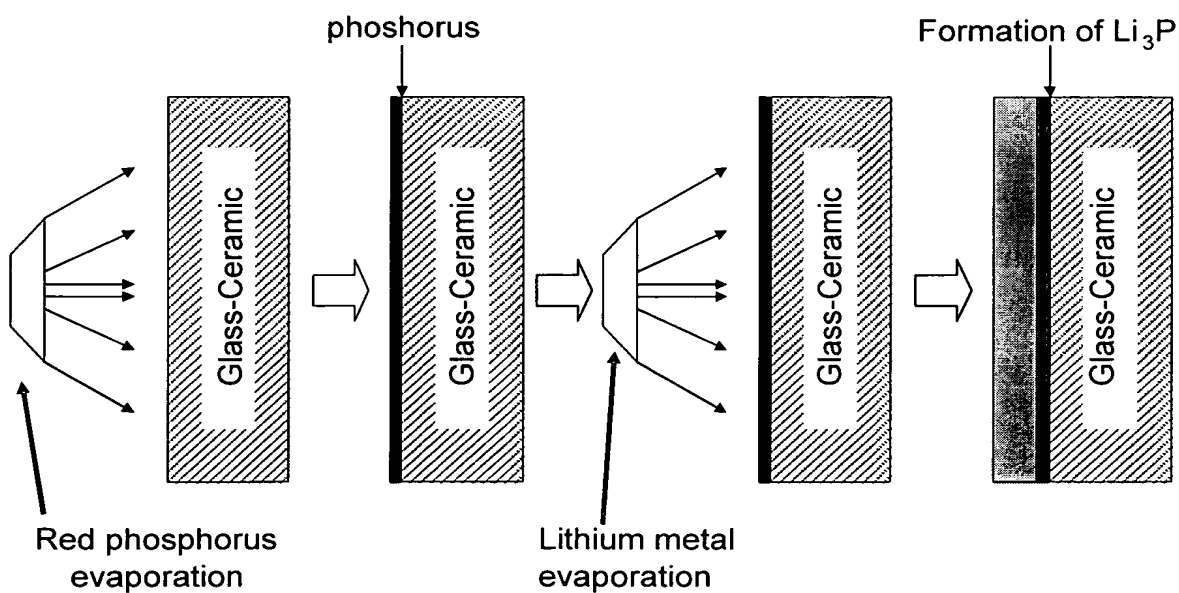
**FIG. 2**



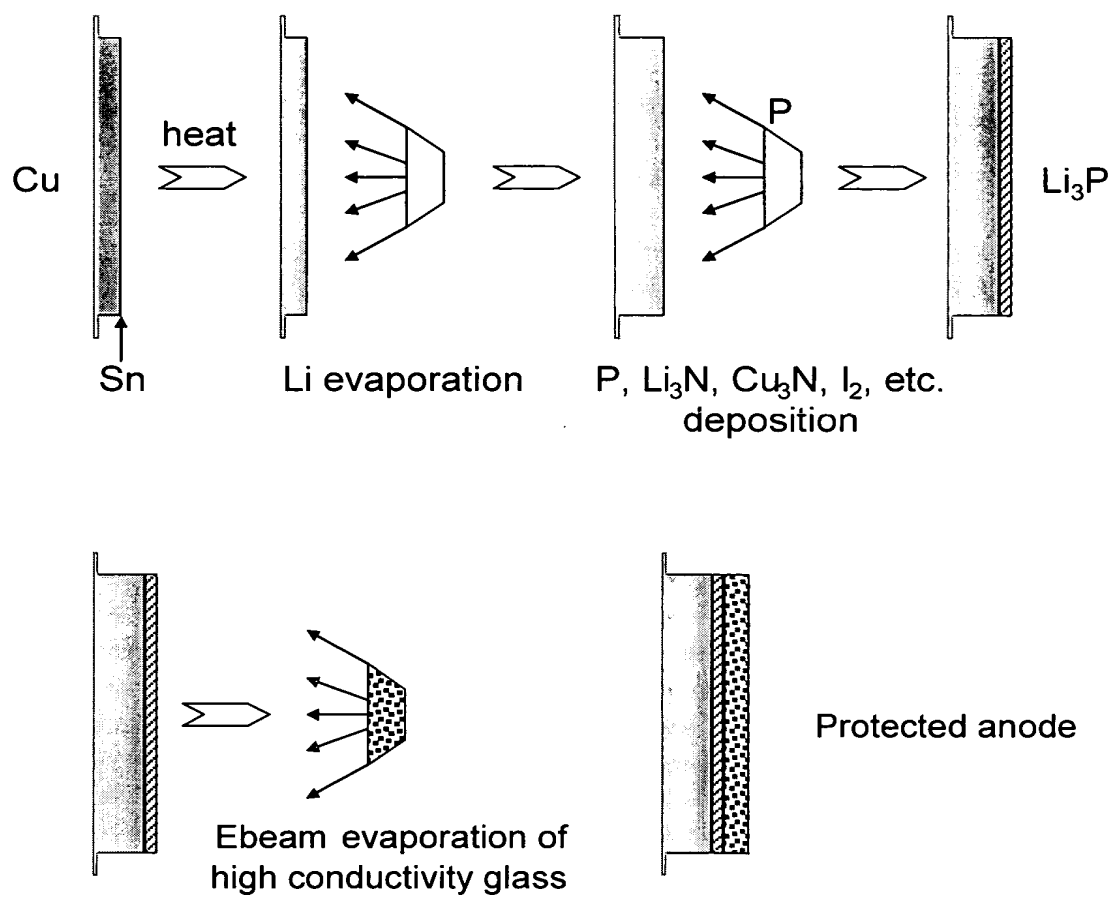
**FIG. 3**



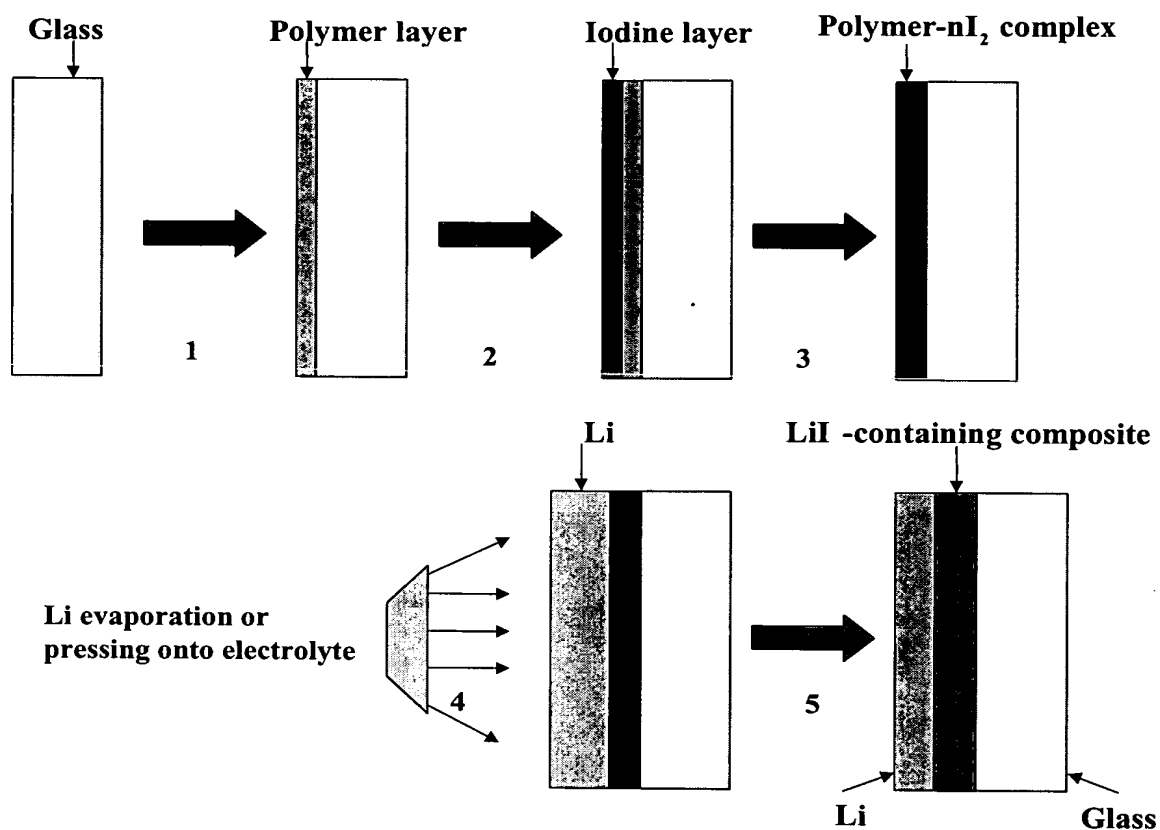
**FIG. 4A**



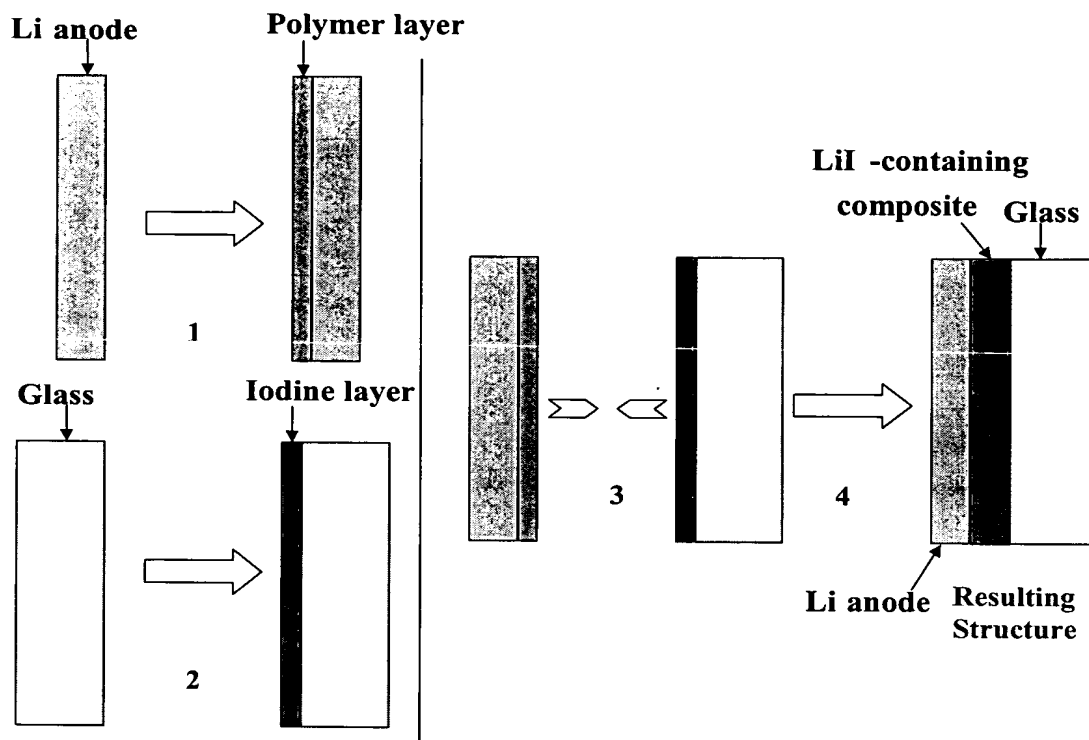
**FIG. 4B**



**FIG. 5**

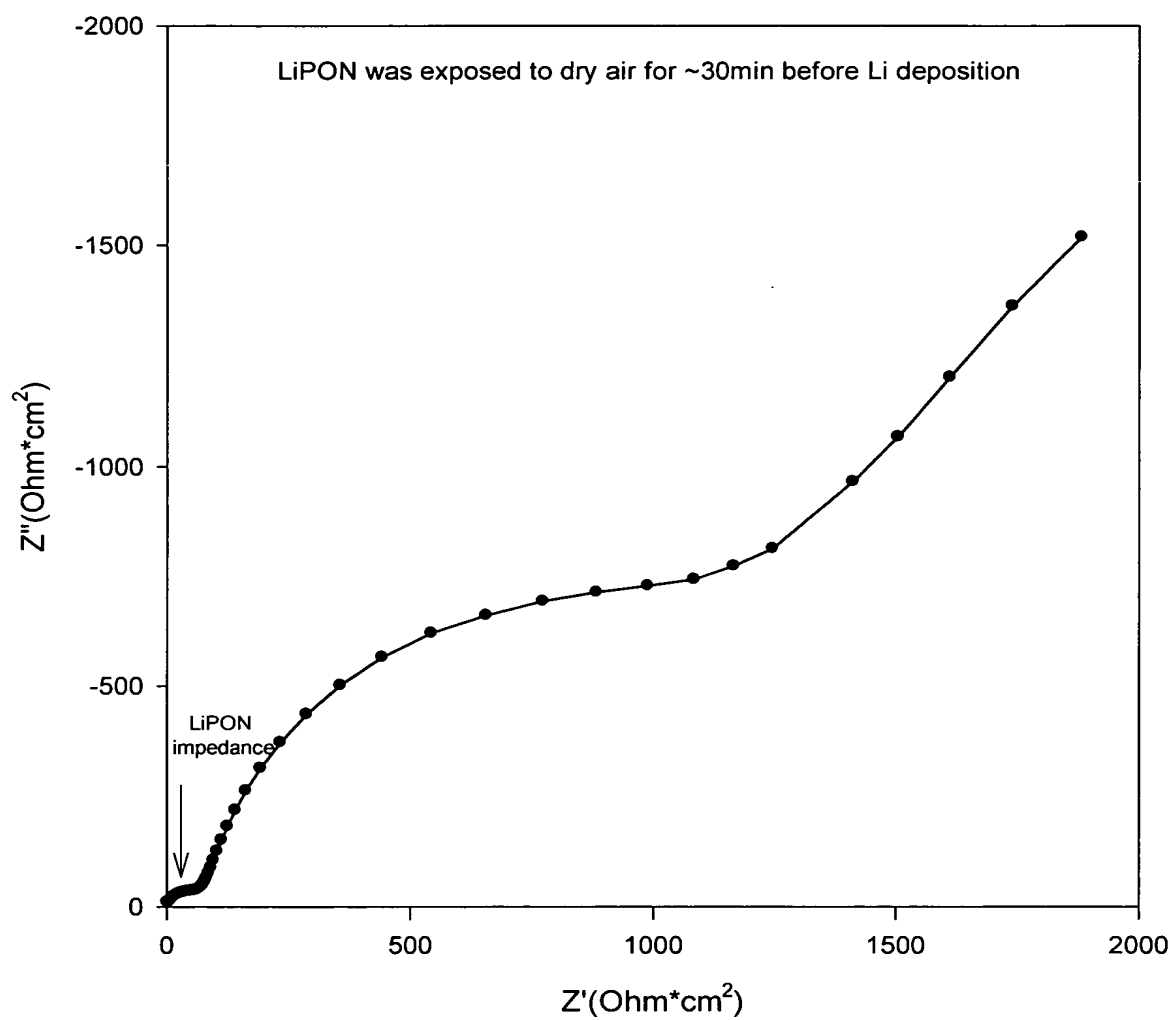


**FIG. 6A**



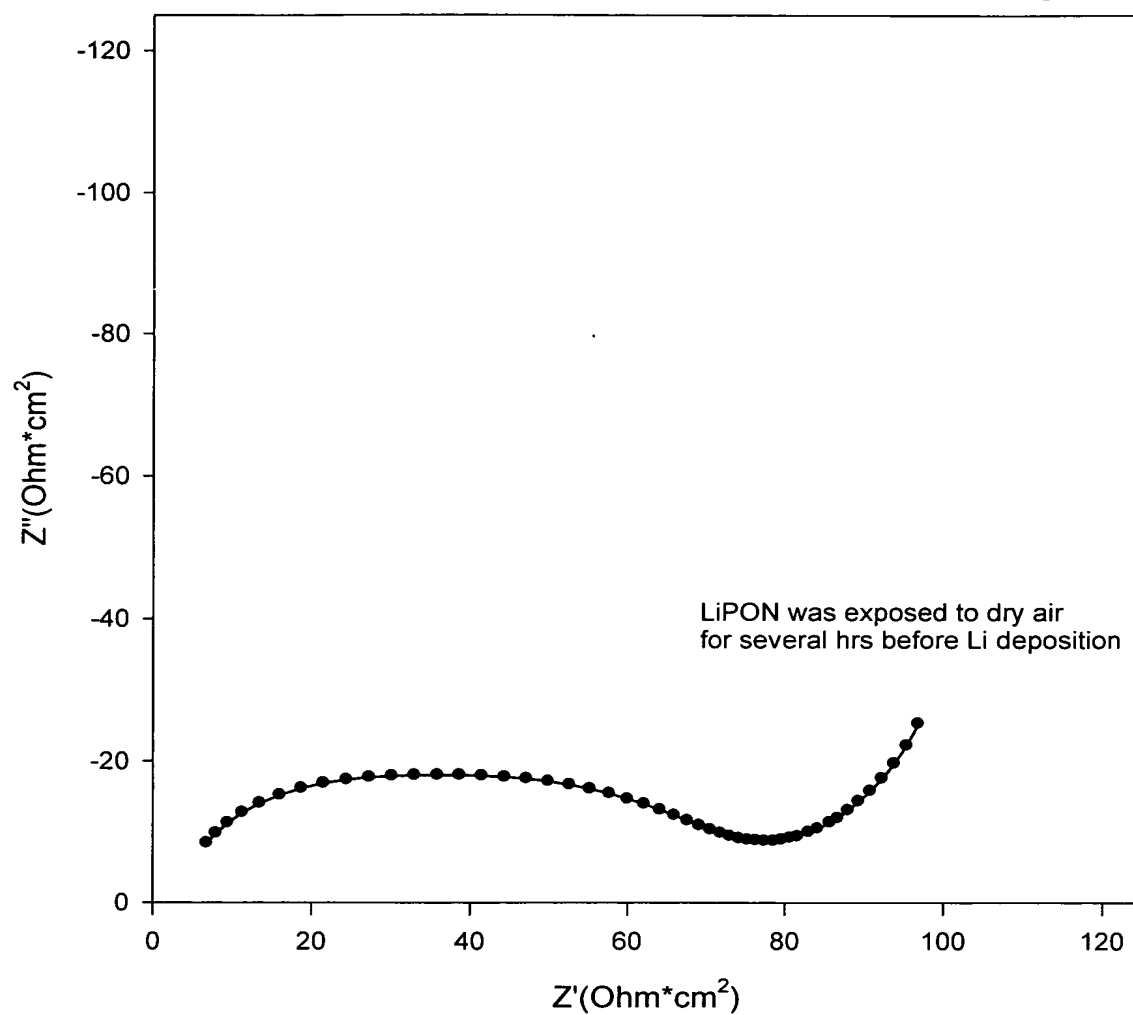
**FIG. 6B**

Impedance Plot for Solid-State Cell:  
Li | LiPON | Cu

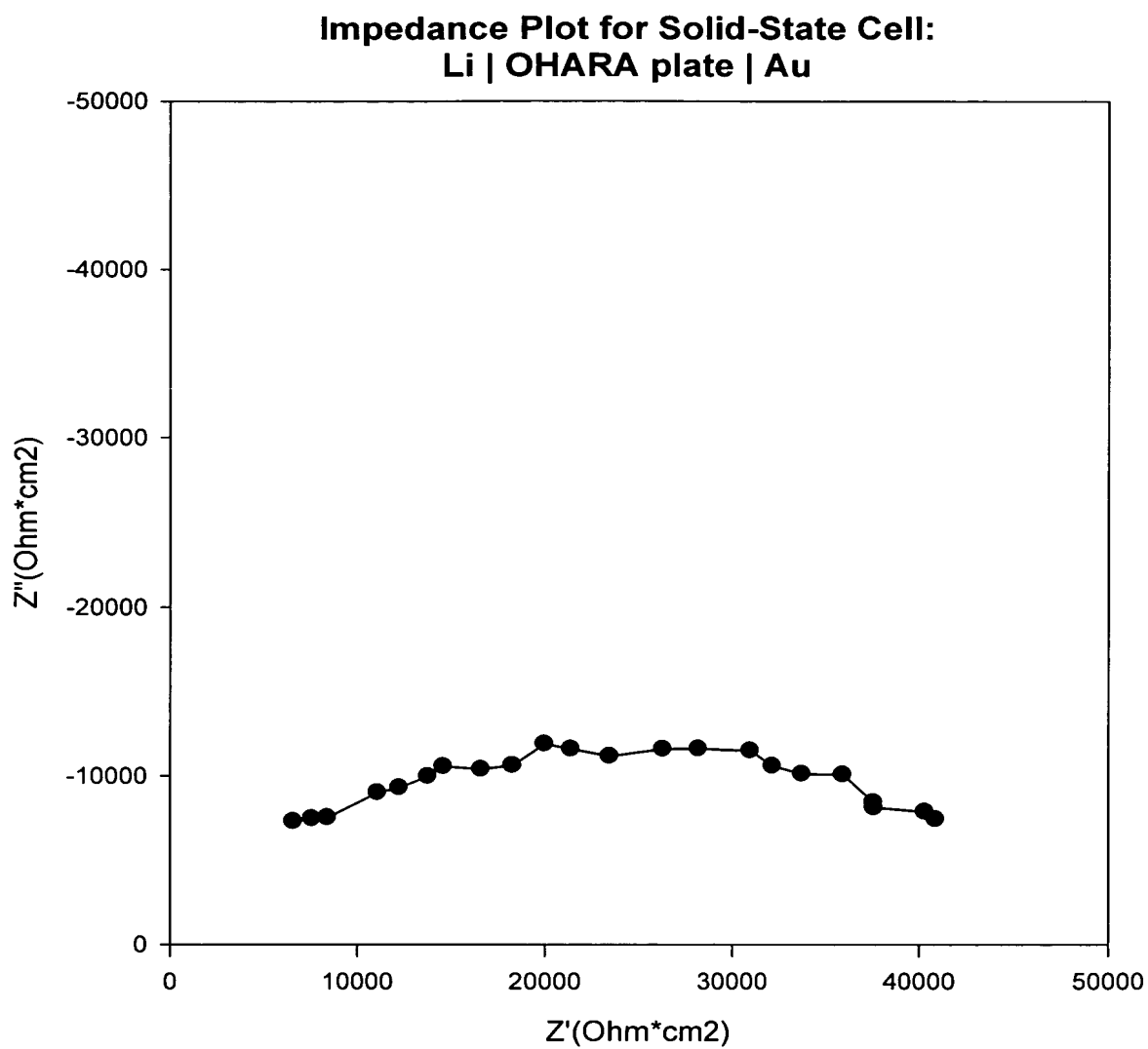


**FIG. 7A**

Impedance Plot for Solid-State Cell: Li | Cu<sub>3</sub>N | LiPON | Cu  
LiPON surface is protected with in situ formed Li<sub>3</sub>N



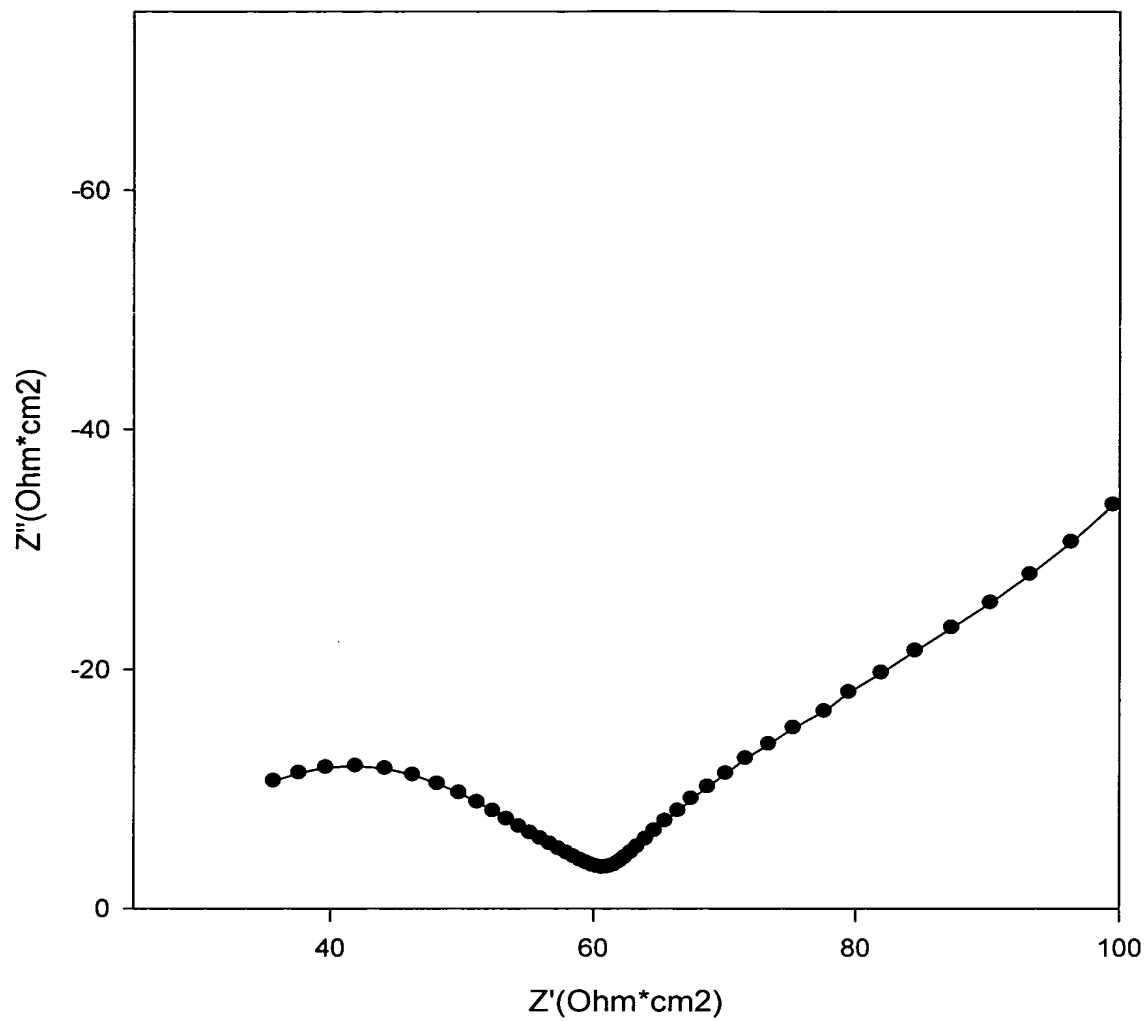
**FIG. 7B**



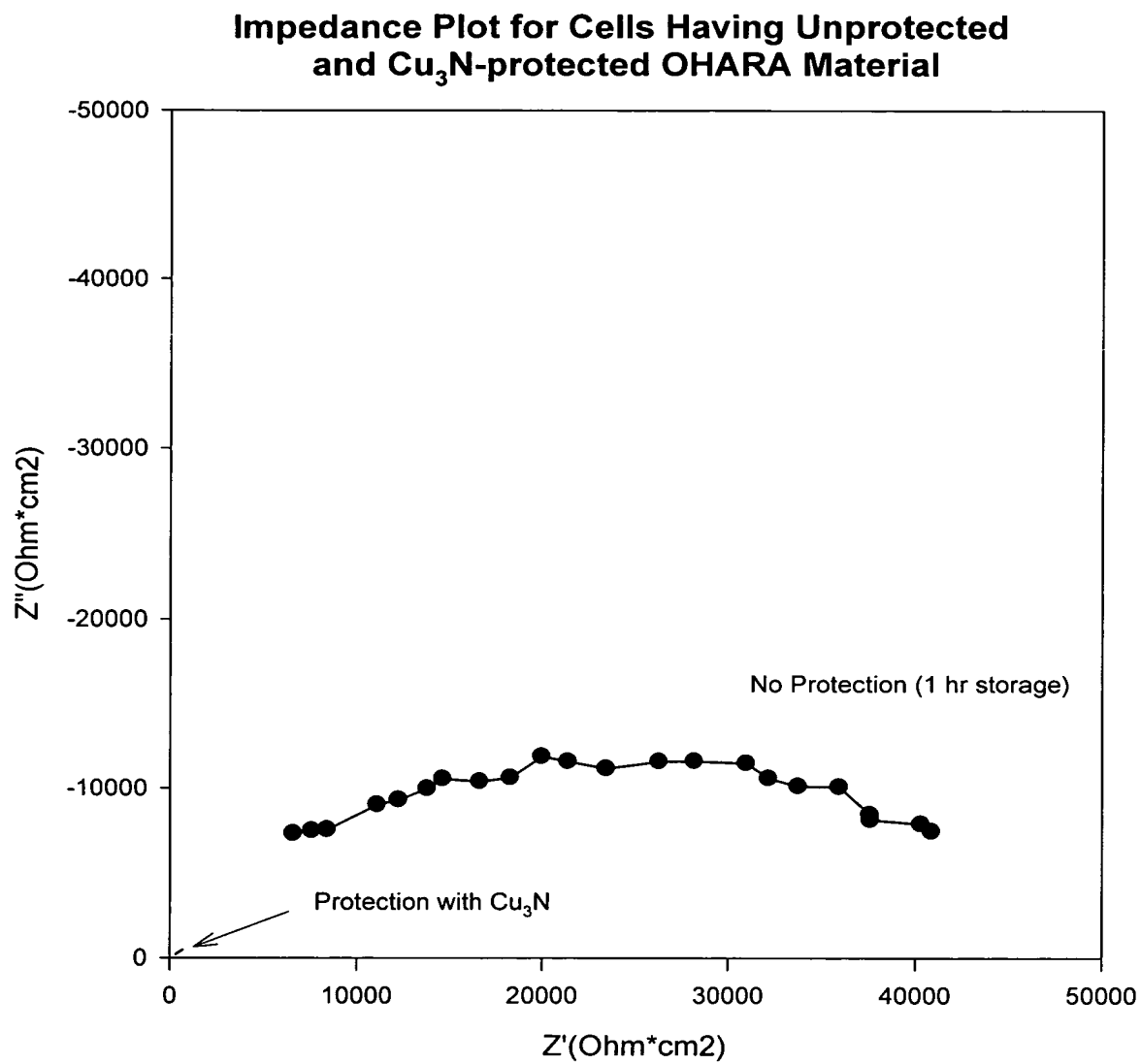
***FIG. 8A***



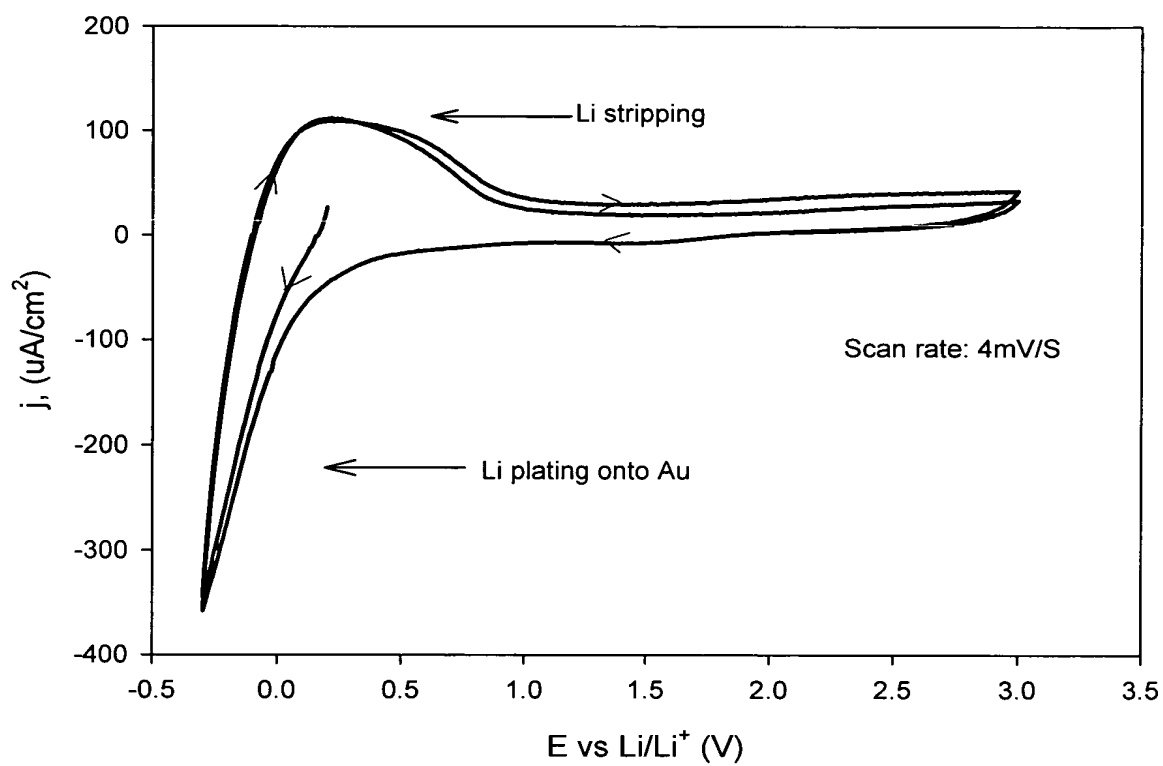
**Impedance Plot for Solid-State Cell:  
Li | Cu<sub>3</sub>N | OHARA plate | Au**



***FIG. 8B***



Cyclic Voltammetry for Solid State Cell:  
Li | Cu<sub>3</sub>N | OHARA plate | Au



**FIG. 8D**